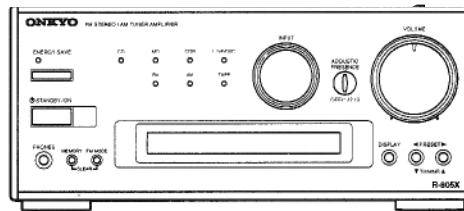


ONKYO. SERVICE MANUAL

FM STEREO/AM TUNER AMPLIFIER

MODEL R-805X



Black model

BUDD	120VAC, 60Hz
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SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK Δ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PARTS NUMBERS APPEAR AS SHOWN IN THIS MANUAL.

MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

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SPECIFICATIONS

Amplifier Section

Power output

20 watts per channel, min RMS, at 4 ohms, both channels driven 1 kHz, with no more than 0.6% THD
 15 watt per channel, min RMS, at 8 ohms, both channels driven 1 kHz, with no more than 0.6% THD
 2 X 20 watts at 4 ohms, 1 kHz, DIN
 2 X 17 watts at 6 ohms, 1 kHz, DIN
 2 X 15 watts at 8 ohms, 1 kHz, DIN
 2 X 29 watts at 4 ohms, 1 kHz, EIAJ

Dynamic power output

2 X 24 watts at 4 ohms
 2 X 17 watts at 8 ohms

Total harmonic distortion

0.6% at rated power

IM distortion

0.6% at rated power

Damping factor

30 at 8 ohms

Input Sensitivity and Impedance

TAPE/MD PLAY: 150 mV, 50 kohms
 LINE IN: 150 mV, 50 kohms

Frequency and response

10 to 50,000 Hz +0 / -3 dB

Tone control

ACOUSTIC PRESENCE 1
 +4 dB at 82 Hz
 ACOUSTIC PRESENCE 2
 +3 dB at 20.5 Hz, +3 dB at 82 Hz
 ACOUSTIC PRESENCE 3
 +3 dB at 20.5 Hz, +6 dB at 82 Hz
 BASS
 ±8 dB at 100 Hz
 TREBLE
 ±8 dB at 10 kHz

Signal to noise ratio

TAPE: 100 dB (IHF-A)

Muting

- ∞ dB

Tuner Section

Tuning range

FM: 87.9 to 107.9 MHz (200 kHz steps)
 AM: 530 to 1710 kHz (10 kHz steps)

Usable sensitivity

FM: Mono 11.2 dBf,
 1.0 µV (75 ohms IHF)
 0.9 µV (75 ohms DIN)
 Stereo 17.2 dBf,
 2.0 µV (75 ohms IHF)
 23.0 µV (75 ohms DIN)
 AM: 30 µV

50 dB Quieting sensitivity

FM: Mono 17.2 dBf, 2.0 µV (75 ohms)
 Stereo 37.2 dBf, 20.0 µV (75 ohms)

Capture ratio

FM: 2.0 dB

Image rejection ratio

FM: 40 dB
 AM: 40 dB

IF rejection ratio

FM: 90 dB
 AM: 40 dB

Signal to noise ratio

FM: Mono 73 dB, IHF
 Stereo 67 dB, IHF
 AM: 40 dB

Selectivity

FM: 50 dB DIN
 (±300 kHz at 40 kHz Devi.)

AM Suppression Ratio

50 dB

Harmonic distortion

FM: Mono 0.2%
 Stereo 0.3%
 AM: 0.7 %

Frequency response

FM: 30 to 15,000 Hz (±1.5 dB)

Stereo separation

FM: 45 dB at 1,000 Hz
 30 dB at 100 to 10,000 Hz

Stereo threshold

FM: 17.2 dBf, 2.0 µV (75 ohms)

General

Clock precision

monthly error: +/-30 seconds
 (at 25 degrees Celsius)

Power supply

AC 120 V, 60 Hz

Power consumption

61 W (120 V, 60 Hz)

Dimensions (W X H X D)

205 X 91 X 302 mm
 8-1/16" X 3-9/16" X 11-7/8"

Weight

3.4 kg, 7.5 lbs

Specifications and external appearance are subject to change without notice as a result of product improvement.

SERVICE PROCEDURES

1. Replacing the fuses

 This symbol located near the fuses indicates that the fuse used is fast operating type. For continued protection against fire hazard, replace with same type fuse. For fuse rating refer to the marking adjacent to the symbol.

 Ce symbole indique que le fusible utilisé est à rapide. Pour une protection permanente, n'utiliser que fusibles de même type. Ce dernier est la qu le présent symbole est apposé.

CIRCUIT NO. PART NO. DESCRIPTION
F901 252157 1.25A-UL/T237, Primary

2. To initialize the unit

This device employs a microprocessor to perform various functions and operations. If interference generated by an external power supply, radio wave, or other electrical source results in accident which causes the specified operations and functions to operate abnormally.

To perform a result, please follow the procedure below.

1. Press and hold down the MEMORY button, then press the DISPLAY button.

2. Press the STANDBY/ON button.

After "clear" is displayed, the preset memory and each mode stored in the memory, such as surround, are initialized and will return to the factory setting.

3. Safety-check out

(Only U.S.A. model)

After correcting the original service problem, perform the following safety check before releasing the set to the customer. Connect the insulating-resistance tester between the plug of power supply cord and screw on the back panel. Specifications: $3.3\text{Mohm} \pm 10\%$ at 500V.

4. Memory Preservation

This unit does not require memory preservation batteries. A built-in memory power back-up system preserves the contents of the memory during power failures and even when the unit is unplugged. The unit must be plugged in order to charge the back-up system.

The memory preservation period after the unit has been unplugged varies depending on climate and placement of the unit. On the average, memory contents are protected over a period of a few weeks after the last time the unit has been unplugged. This period is shorter when the unit is exposed to a highly humid climate.

5. Changing the AM band step

The tuning step selector switch is not provided in this model. When you change the band step, change the parts as shown below.

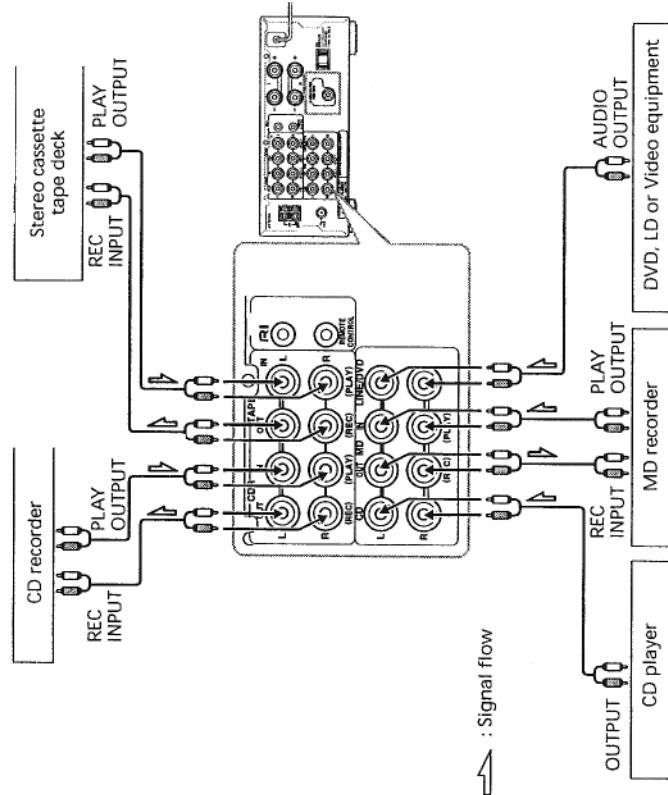
	To 10kHz	To 9kHz
R715	3.3k	Open
R716	5.6k	10k

6. Adjustment of clock frequency

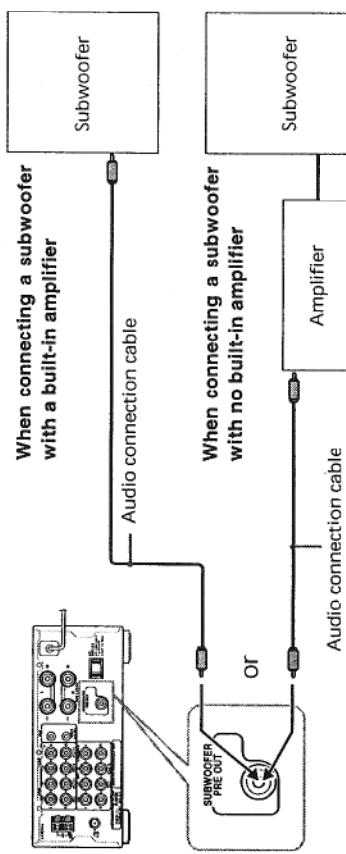
1. Connect the frequency counter to the terminal TP701.
2. Press and hold down the MEMORY button, then press the DISPLAY button.(All segments on FL tube light on)
3. Adjust the trimmer capacitor C707 so that the reading of frequency counter becomes $524.288\text{ kHz} \pm 1\text{Hz}$.

PANEL VIEWS

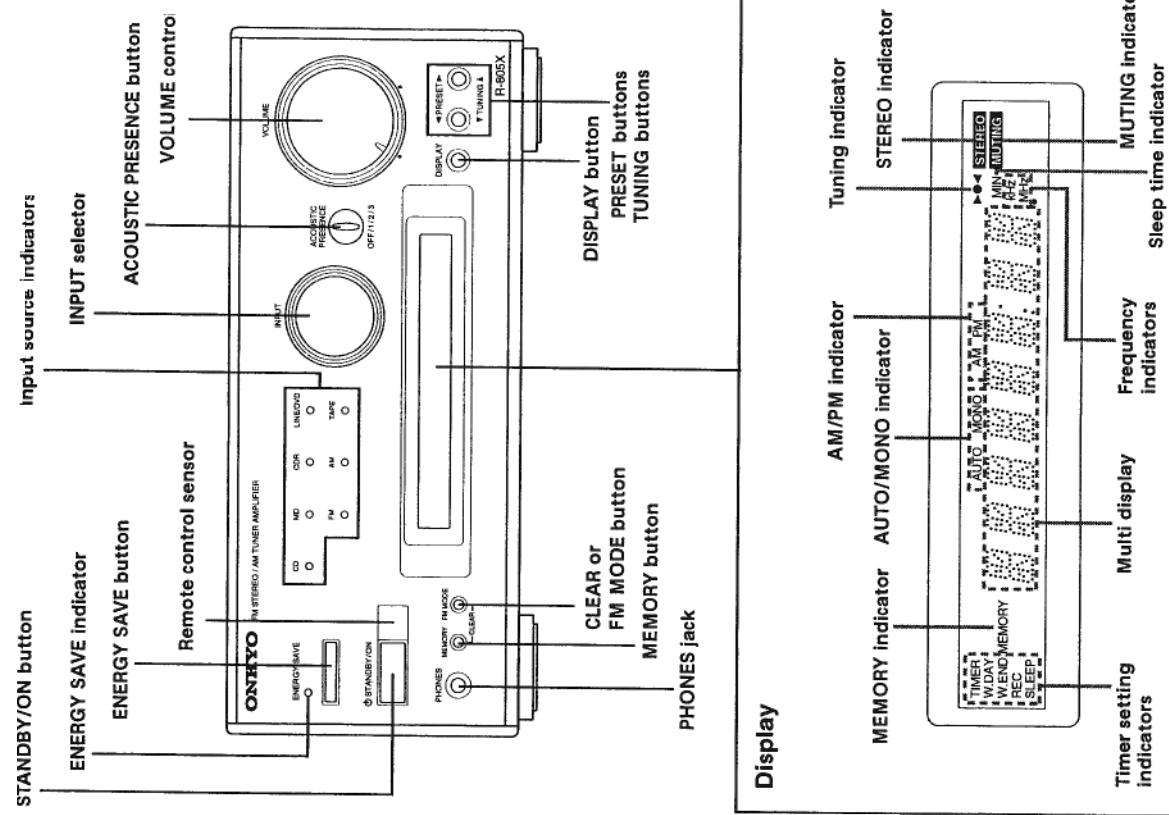
REAR PANEL



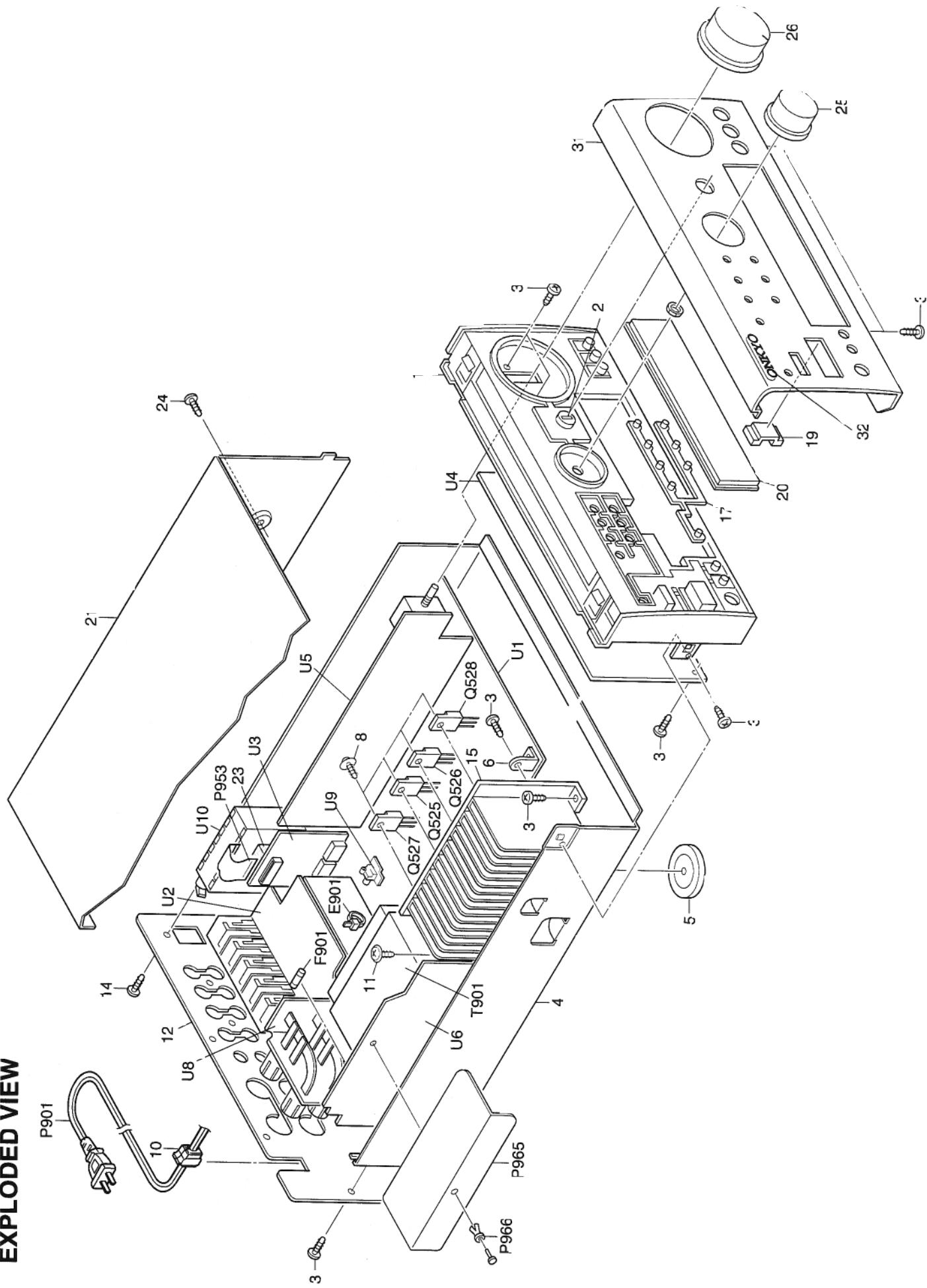
Connections



FRONT PANEL



EXPLODED VIEW



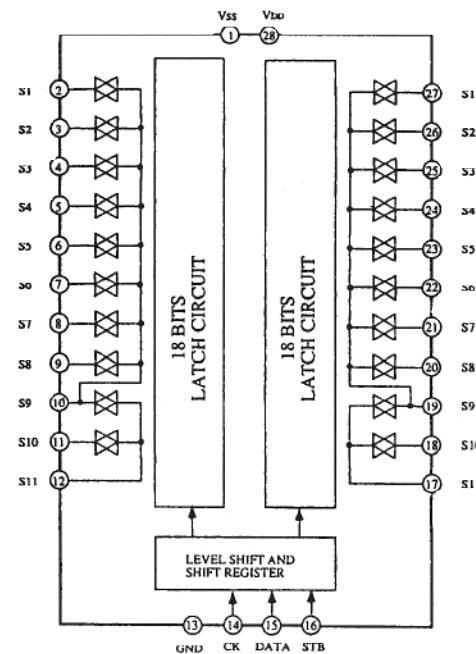
PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1	271111170	Front bracket	E901	260208	Wire tie
2	28325755	Knob, acoustic	F901	252157	△ 1.25A-UL/T-237,F,Fuse
3	B38130088	3TTB+8B,Self-tapping screw	P901	253277MIL	△ AS-UC-2#18,Power supply cord
4	27100375C	Chassis	P953	2047150512	NCFC7-150512,Flexible flat cable
5	27175323	Leg	P965	27150448A	Shield plate
6	27141530A	Retainer	P966	880009	NRP-345,Plastic rivet
8	801433	3SMS8W.SW+14B(BC),Special screw	P967	273011779	HL-38-0, Clamp
10	27300750	△ Bushing, cord	Q525,Q526	2202064,	* 2SC4511-Y,
11	830440089	4TTC+8C(BC),Self-tapping screw		2202066 or	* 2SC4511-P or
12	27122682B	Rear panel		2202063	* 2SC4511-O,Transistor
14	838430068	3TTB+6B(BC),Self-tapping screw	Q527,Q528	2202054,	* 2SA1725-Y,
15	27160451B	Heat sink		2202056 or	* 2SA1725-P or
17	28198901	Facet		2202053	* 2SA1725-O, Transistor
19	28191798	Clear plate, remote control	T90*	2301443	△ NPT-1385D,Power transformer
20	28191892	Clear plate	U1	1A872501-1B	NAAF-6801-1B,Main circuit PC board assy
21	28184784	Top cover	U2	1A872502-1B	NAETC-6802-1B,Input/output terminal PC board assy
23	28141409A	Cushion	U3	1A872503-1B	NAPS-6803-1B,Secondary circuit PC board assy
24	838430088	3TTB+8B(BC), Self-tapping screw	U4	1A872504-1B	NADG-6804-1B,Indicator circuit PC board assy
25	28325776	Knob, input	U5	1A872505-1B	NAAF-6805-1B,Tone circuit PC board assy
26	28325777	Knob, volume	U6	1A872506-1B	NAPS-6806-1B,Primary circuit PC board assy
31	27212223	Front panel	U8	1A872507-1B	NAETC-6807-1B,Speaker terminal PC board assy
32	28135279	Badge	U9	1A872518-1B	NAETC-6918-1B,Subwoofer PC board assy
33	29362572A	Label	U10	240134	TFCE1U114A, Tuner pack

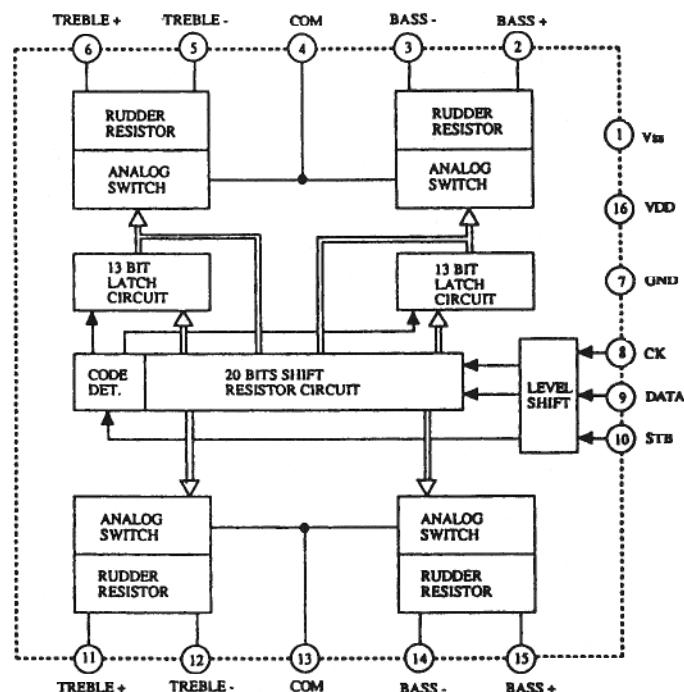
NOTE: THE COMPONENTS IDENTIFIED BY MARK
 △ ARE CRITICAL FOR RISK OF FIRE AND
 ELECTRIC SHOCK. REPLACE ONLY WITH
 PART NUMBER SPECIFIED.

IC BLOCK DIAGRAMS AND DESCRIPTIONS

TC9273N-010 (Analog Switch)

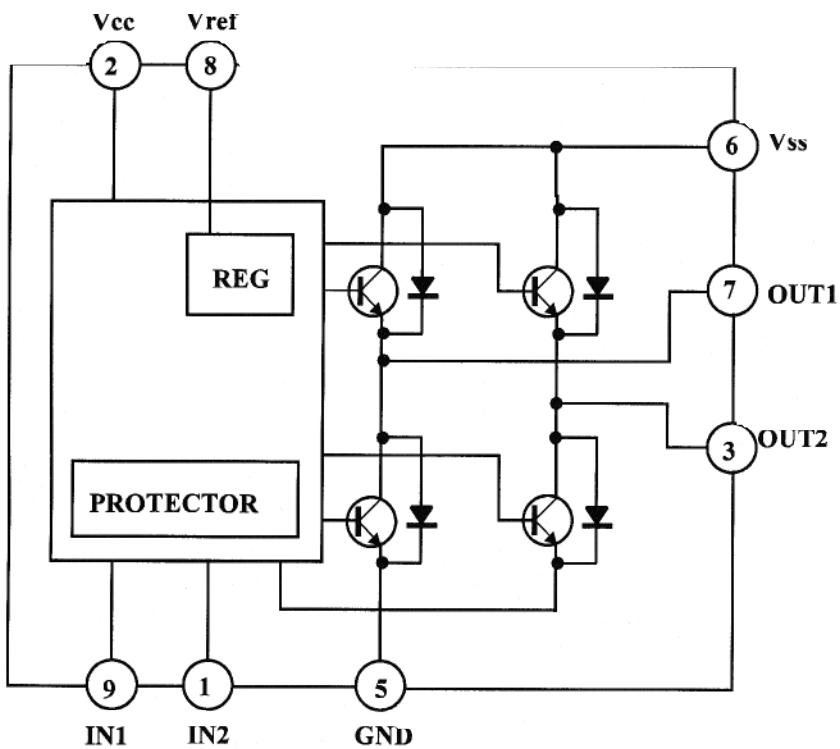


TC9184P (Electro Tone Volume)



No.	Symbol	Function
1	Vss	Power supply terminal for analogue section
16	VDD	
2,15	BASS +	Volume terminals
3,14	BASS -	
5,12	TREBLE -	
6,11	TREBLE +	
4,13	COM	
7	GND	Ground terminal for digital section
8	CK	Clock input terminal to take in the data of terminal DATA.
9	DATA	Data input terminal
10	STB	Strobe input terminal

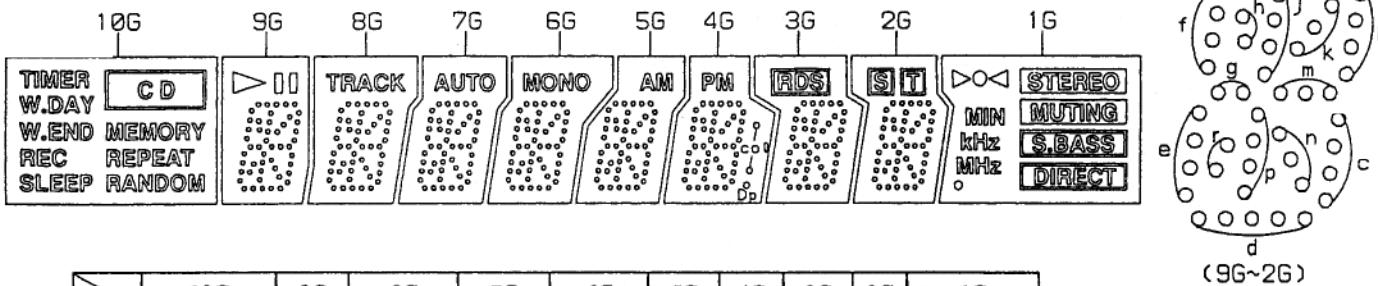
TA7291S (VOLUME MOTOR DRIVER)



INPUT		OUTPUT		MODE
IN1	IN2	OUT1	OUT2	
0	0	∞	∞	STOP
1	0	H	L	CW/CCW
0	1	L	H	CCW/CW
1	1	L	L	BRAKE

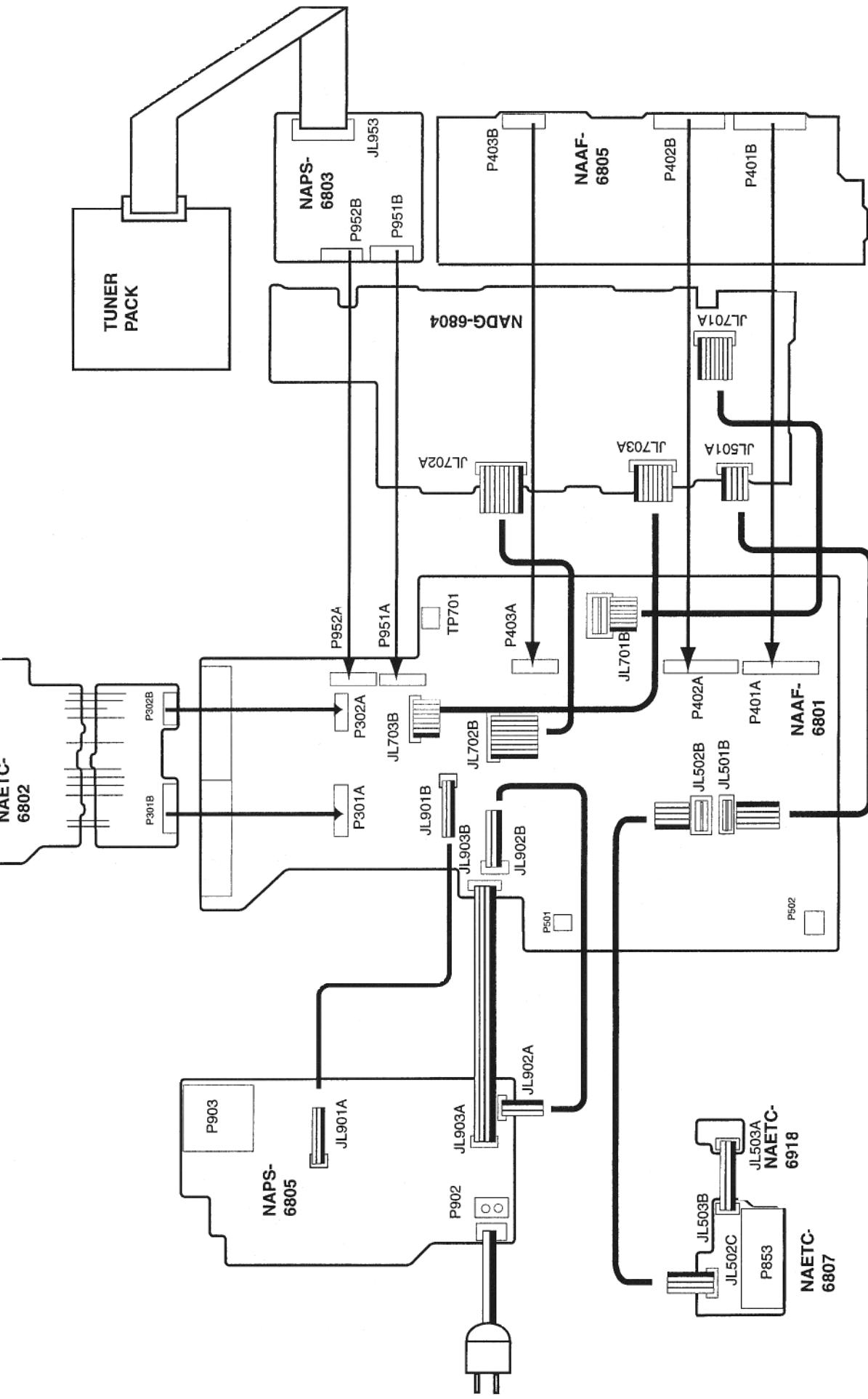
CCW:Counter-clockwise direction
CW:Clockwise direction

10-BT-167GK (FL TUBE)



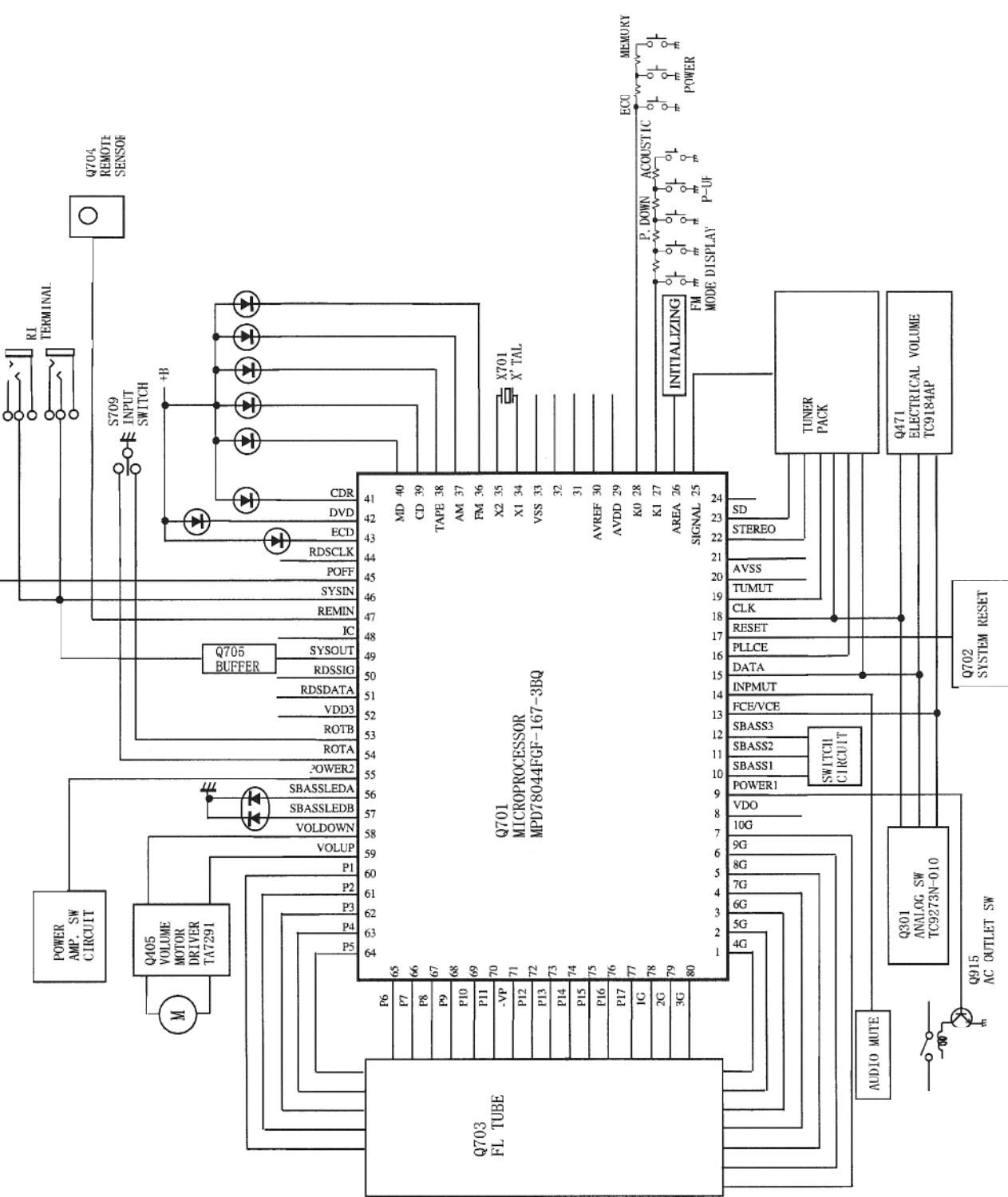
	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G
P1	—	a	a	a	a	a	a	a	a	—
P2	W.DAY	j	j	j	j	j	j	j	j	MUTING
P3	W.END	h	h	h	h	h	h	h	h	MIN
P4	MEMORY	k	k	k	k	k	k	k	k	S.BASS
P5	—	b	b	b	b	b	b	b	b	—
P6	—	f	f	f	f	f	f	f	f	—
P7	—	g	g	g	g	g	g	g	g	—
P8	REC	m	m	m	m	m	m	m	m	MHz
P9	—	c	c	c	c	c	c	c	c	—
P10	—	e	e	e	e	e	e	e	e	—
P11	REPEAT	n	n	n	n	n	n	n	n	kHz
P12	RANDOM	r	r	r	r	r	r	r	r	DIRECT
P13	—	p	p	p	p	p	p	p	p	—
P14	—	d	d	d	d	d	d	d	d	—
P15	TIMER	▷	TRACK	AUTO	MONO	AM	PM	RDS	S	▷ ○ ▲
P16	CD	□	—	—	—	—	Col	—	T	STEREO
P17	SLEEP	—	—	—	—	—	Dp	—	—	○

WIRING VIEW



TERMINAL DESCRIPTION

Pin No.	Symbol	Function	I/O	Description
1~7	P94/FIP6	4G~10G	O	Grid output pins for FL tube.
8	Vdd	+5V		Positive power supply pin
9	P27/SCK0	POWER1	O	Power supply control pin for AC outlet and FL tube.
10	P26/SO0/SB1	SBASS-3	O	Acoustic presence control output pin
11	P25/SI0/SB0	SBASS-2	O	Acoustic presence control output pin
12	P24/BUSY	SBASS-1	O	Acoustic presence control output pin
13	P23/STB	FCE/VCE	O	Latch output pin of the function switch and strobe output pin of the tone control
14	P22/SCK1	INPMUT	O	Audio muting control output pin
15	P21/SO1	DATA	O	Data output pin for function switch, tone control and PLL ICs.
16	P20/SI1	PLLCE	O	Chip enable output pin for PLL IC.
17	~RESET	~RESET	I	System reset input pin.
18	P74	CLK	O	Clock signal output pin for function switch, tone control and PLL ICs.
19	P73	TUMUT	O	Muting output pin for tuner section.
20	AVss	GND		Ground pin for A/D converter.
21	P17/ANI7	NC		Not used.
22	P16/ANI6	STEREO	I	Stereo broadcast detection pin.
23	P15/ANI5	SD	I	Broadcast detection input pin
24	P14/ANI4	NC		Not used.
25	P13/ANI3	SIGNAL	I	Signal strength input pin
26	P12/ANI2	AREA	I	Initializing input pin for region
27	P11/ANI1	K1	I	Operation key connection pin
28	P10/ANI0	K0	I	Operation key connection pin
29	AVdd	+5V		Analog power supply for A/D converter
30	AVref	+5V		Reference voltage input pin for A/D converter
31	P04/XT1	XT1		Oscillator connection pin for sub system. Not used.
32	XT2	XT2		Oscillator connection pin for sub system. Not used.
33	Vss	GND		Ground pin
34	X1	X1		Crystal oscillator connection pin for main system clock
35	X2	X2		Crystal oscillator connection pin for main system clock
36	P37	FM	O	FM indicator output pin
37	P36/BUZ	AM	O	AM indicator output pin
38	P35/PCL	TAPE	O	TAPE indicator output pin
39	P34/TI2	CD	O	CD indicator output pin
40	P33/TI1	MD	O	MD indicator output pin
41	P32/TO2	CDR	O	CDR indicator output pin
42	P31/TO0	LINE/DVD	O	LINE/DVD indicator output pin
43	P30/TO0	ENERGY	O	ENERGY SAVE indicator output pin
44	P03/INTP3/C10	RDSSCK	I	Clock input pin from RDS decoder
45	P02/INTP2	~POFF	I	Power failure detection pin
46	P01/INTP1	SYSIN	I	System code input pin
47	P00/INTP0/TI0	REMIN	I	Signal input from remote controller
48	IC(Vpp)	IC		Inner connection pin
49	P72	SYOUT	O	System code output pin
50	P71	RDSSIG	I	Quality check signal from RDS decoder.
51	P70	RDSDATA	I	Data input pin from RDS decoder.
52	Vdd	+5V		Positive power supply pin
53	P127/FIP33	ROTB	I	Rotary encoder connection pin for Input selector
54	P126/FIP32	ROTA	I	Rotary encoder connection pin for Input selector
55	P125/FIP31	POWER2	O	Power supply control pin for Power amplifier
56	P124/FIP30	SBASS A	O	Acoustic presence indicator output pin
57	P123/FIP29	SBASS B	O	Acoustic presence indicator output pin
58	P122/FIP28	VOLDOWN	O	DOWN signal output pin for Master volume
59	P121/FIP27	VOL UP	O	UP signal output pin for Master volume
60~70	P120/FIP26	P1~P11	O	Segment output pin for FL tube
71	Vload	Vload		Pull down resistor connection pin for FL tube
72~77	P105/FIP15	P12~P17	O	Segment output pins for FL tube
78~80	P97/FIP9	1G~3G	O	Grid output pins for FL tube.



PRINTED CIRCUIT BOARD-PARTS LIST

MAIN CIRCUIT PC BOARD (NAAF-6801-1B)

CIRCUIT NO.	PART NO.	DESCRIPTION
Q301	22240881	TC9273N-010
Q405	22240239	TA7291S
Q913	22270565JRC	NJM78M56FA
		Transistors
Q501-Q504	2211733	2SC1845-E
Q505-Q508	2213284	2SC1740S-R
Q509-Q514	2211455	2SA1015-GR
Q515-Q518	2211255	2SC1815-GR
Q519,Q520	2211183	2SC1740-R
Q521,Q522	2211654 or 2211653	2SC2235-Y or 2SC2235-O
Q523,Q524	2211644 or 2211643	2SA965-Y or 2SA965-O
Q525,Q526	2202064, 2202063 or 2202066	* 2SC4511-Y, * 2SC4511-O or * 2SC4511-P
Q527,Q528	2202054, 2202053 or 2202056	* 2SA1725-Y, * 2SA1725-O or * 2SA1725-P
Q540	2213284	2SC1740S-R
Q541	2213354	2SA933S-R
Q545	2213510 or 2214350	DTA114ES or RN2202
Q546	2213290	DTC114ES
Q911	2211644	2SA965-Y
Q914	2211256	2SC1815-BL
Q915	2213640	DTC123JS
Q916	2213510	DTA114ES
Q917,Q918	2211164	2SC2120-Y
		Diodes
D501,D502	223163 or 223205	1SS133 or 1SS270A
D576	22380035 or	GP104003E or
D933,D934	22380046	AM01Z
D911	22380022	RBV402
D912,D913	224471203	MTZJ12C
D914-D917	22380035 or	GP104003E or
D919-D922	22380046	AM01Z
D918	224471203	MTZJ12C
D923	224473004	MTZJ30D
D924	224470683	MTZJ6.8C
D931,D932	223163 or	1SS133 or
D935	223205	1SS270A
L501,L502	231176SY	S-1.3C
		Capacitors
C325,C326	393341007	10 μF,16V,Elect.
C405	393321017	100 μF,6.3V,Elect.
C501,C502	393341007	10 μF,16V,Elect.
C503,C504	374721015	100pF±10%,50V,Plastic
C515,C516	393322217	220 μF,6.3V,Elect.
C529,C530	393344707	47 μF,16V,Elect.
C531-C534	393341007	10 μF,16V,Elect.
C535,C536	374724734	0.047 μF±5%,50V,Plastic
C538,C540	393361017	100 μF,35V,Elect.
C550	393361017	100 μF,35V,Elect.
C575	393380107	1 μF,50V,Elect.
C576	353744709	47 μF,16V,Elect.
C911	374722244	0.22 μF±5%,50V,Plastic
C912,C913	374721044	0.1 μF±5%,50V,Plastic
C914,C915	393363327	3300 μF,35V,Elect.
C916,C917	393343317	330 μF,16V,Elect.
C918	374721034	0.01 μF±5%,50V,Plastic
C919	393384707	47 μF,50V,Elect.
C920,C922	393381017	100 μF,50V,Elect.
C921	354771019	100 μF,63V,Elect.
C923	393380337	3.3 μF,50V,Elect.
C925	393352227	2200 μF,25V,Elect.
C929	393361017	100 μF,35V,Elect.

NOTE: THE COMPONENTS IDENTIFIED BY MARK Δ ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE ONLY WITH PART NUMBER SPECIFIED.

CAUTION: Replacement of the transistor of mark *, if necessary, must be made from the same beta group (HFE) as the original type.

CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION	CIRCUIT NO.	PART NO.	DESCRIPTION
		Capacitors			Resistors			Diodes
C930	393341007	10 μF,16V,Elect.	R965	453530824	8.2 Ω±5%,1/2W,Metal	D411-D416	223163 or	1SS133
C932	393380107	1 μF,50V,Elect.	R966	443621204	12 Ω±5%,1W,Metal oxide	D419,D420	223205	1SS270A
C933,C940	374722234	0.022 μF±5%,50V,Plastic	P951B,P952B	25051232	NSCT-7P1022	C401	374722234	0.022 μF±5%,50V,Plastic
		Resistors	P953A	25052248	NSCT-15P2145	C413,C414	393381007	10 μF,50V,Elect.
R515-R522	443523904	39 Ω±5%,1/2W,Metal oxide	Q951A	27160145-1	RAD-51	C415,C416	374721024	1000pF±5%,50V,Plastic
R519,R520	443523304	33 Ω±5%,1/2W,Metal oxide	Q951B	838430107	3TTB+10S(BC)	C417,C418	374721044	0.1 μF±5%,50V,Plastic
R521,R522	443523904	39 Ω±5%,1/2W,Metal oxide			DISPLAY CIRCUIT PC BOARD (NADG-6804-1B)	C419,C420	353780229	2.2 μF,50V,Elect.
R559,R560	443521014	100 Ω±5%,1/2W,Metal oxide			CIRCUIT NO.	PART NO.	DESCRIPTION	
R561,R562	4500027	0.22 Ω,2W,Metal plate			IC	C421,C422	374722244	0.22 μF±5%,50V,Plastic
R563,R564	453530824	8.2 Ω±5%,1/2W,Metal			Transistors	C423,C424	374723934	0.039 μF±5%,50V,Plastic
R565,R566	453530564	5.6 Ω±5%,1/2W,Metal			IC	C425,C426	374721044	0.1 μF±5%,50V,Plastic
R569,R572	443522204	22 Ω±5%,1/2W,Metal oxide			Transistors	C427,C428	374724744	0.47 μF±5%,50V,Plastic
R911	443525604	56 Ω±5%,1/2W,Metal oxide			IC	C429,C430	374728224	8200pF±5%,50V,Plastic
R912,R915	441623914F	390 Ω±5%,1W,Metal oxide	Q701	22241508NEC or 22241539NEC	MPD78044FGF-175-3B9 or MPD78044FGF-183-3B9	C431,C432	393381007	10 μF,50V,Elect.
R916	453534794	0.47 Ω±5%,1/2W,Metal			FL tube	C433-C437	393341007	10 μF,16V,Elect.
R918	443721024U	1k Ω±5%,2W,Metal oxide	Q703	212141	10BT-167GK	C471,C472	393380477	4.7 μF,50V,Elect.
R919	443522704	27 Ω±5%,1/2W,Metal oxide	Q704	241329	PIC-26043TH2	C473,C474	374721844	0.18 μF±5%,50V,Plastic
R923	453530274	2.7 Ω±5%,1/2W,Metal	Q702	221282 or 2213560	DTC144ES or RN1204	C475,C476	374723334	0.033 μF±5%,50V,Plastic
R924,R925	443622204HT	22 Ω±5%,1W,Metal oxide	Q705	2212600 or 2213580	DTA124ES or RN2203	C477,C478	393380107	1 μF,50V,Elect.
R928	443722714	270 Ω±5%,2W,Metal oxide			Diodes	R401	5104383	N16RGL100KBT20F,Variable
R945	443622714HT	270 Ω±5%,1W,Metal oxide	D701-D706	223163 or 223205	1SS133 or 1SS270A	P401B,P402B	25051237	NSCT-12P1027
RL911	25065537	NRL-2P5A-DC12-107			Diodes	P403B	25051232	NSCT-7P1022
P303	25045300	NPJ-6PDBL159			PRIMARY CIRCUIT PC BOARD (NAPS-6806-1B)			
P309	25045307	NPJ-2PDBL166			CIRCUIT NO.	PART NO.	DESCRIPTION	
JL501B	25050269	NSCT-5P97			Diode	D901	223163 or 223205	1SS133 or 1SS270A
JL502B	25050268	NSCT-4P96			Capacitors	R901	431533355	△ 3.3M Ω,1/2W,Solid
JL702B	25051095	NSCT-11P882			Resistor	RL901	25065594	△ NRL-1P10A-DC12-146
JL703B	25051093	NSCT-9P880			Relay	P901	25050065	△ YSH403T
JL901B	25051087	NSCT-3P874			Capacitors	P902	25055676	NPLG-2P632
JL902B	25051107	NSCT-3P894			Switches	JL901A	25051087	NSCT-3P874
JL903B	25051108	NSCT-4P895			Switches	JL902A	25051107	NSCT-3P894
		Plugs	S701-S708	25035652	NPS-111-S604	JL903A	25051108	NSCT-4P895
JL701B	25055629	NPLG-8P591	S709	25065534	REB161PVB	P903	25051990	△ NSCT-2P1777
P301A	25055704	NPLG-8P660	P701	25045396	LGT1516-0101,Phones			
P302A	25055701	NPLG-5P657	TP701	25055038	NPLG-2P29			
P401A,P402A	25055708	NPLG-12P664			Socket			
P403A	25055703	NPLG-7P659			Terminal			
P501,P502	25055038	NPLG-2P29	JL501A	25051109	NSCT-5P896			
P951A,P952A	25055703	NPLG-7P659	JL701A	25051092	NSCT-8P879			
Q913A	27160145-1	RAD-51	JL702A	25051095	NSCT-11P882	P853	25060295	NTM-4PDMN226
		INPUT/OUTPUT TERMINAL PC BOARD (NAETC-6802-1B)	JL703A	25051093	NSCT-			

A

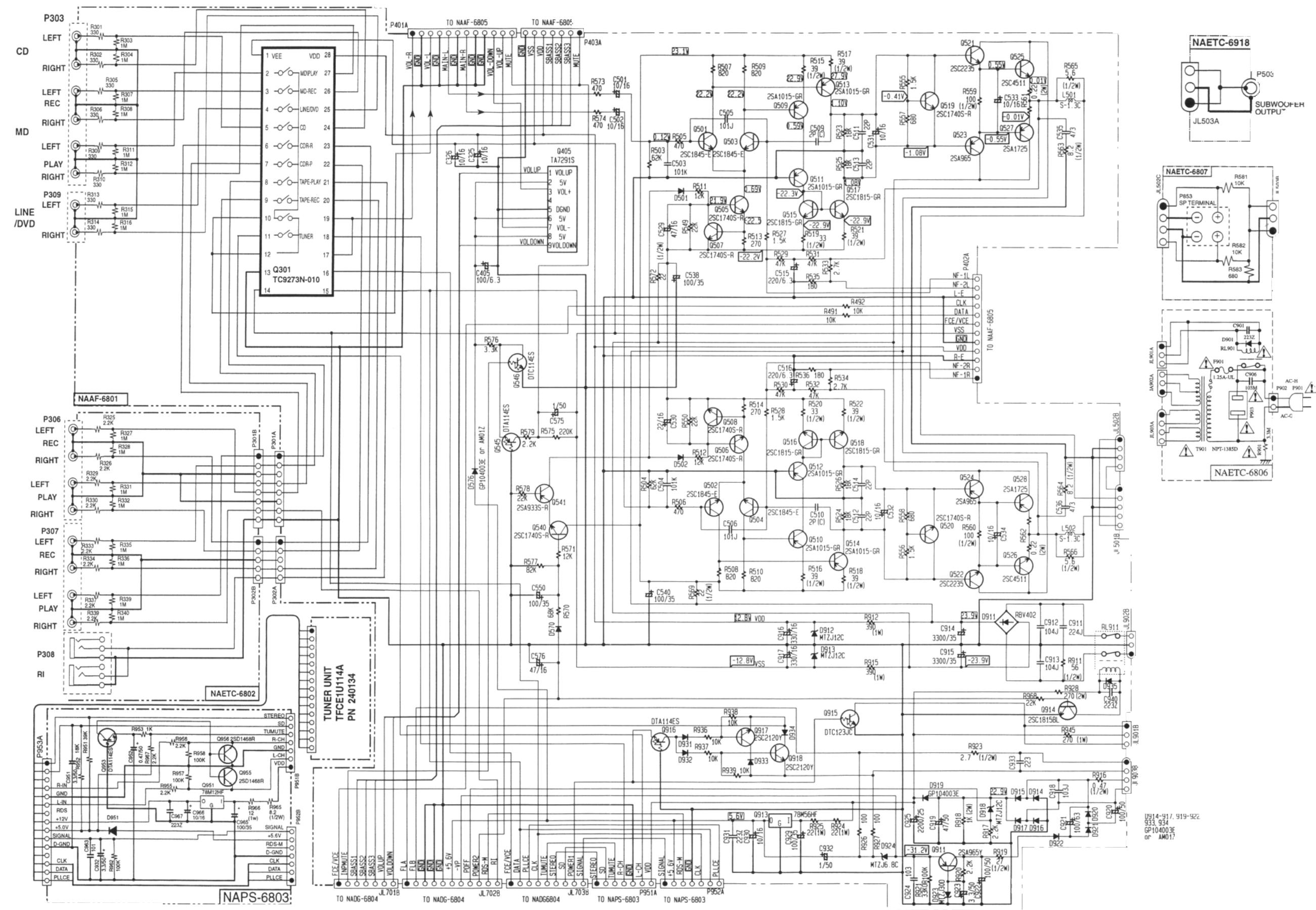
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F

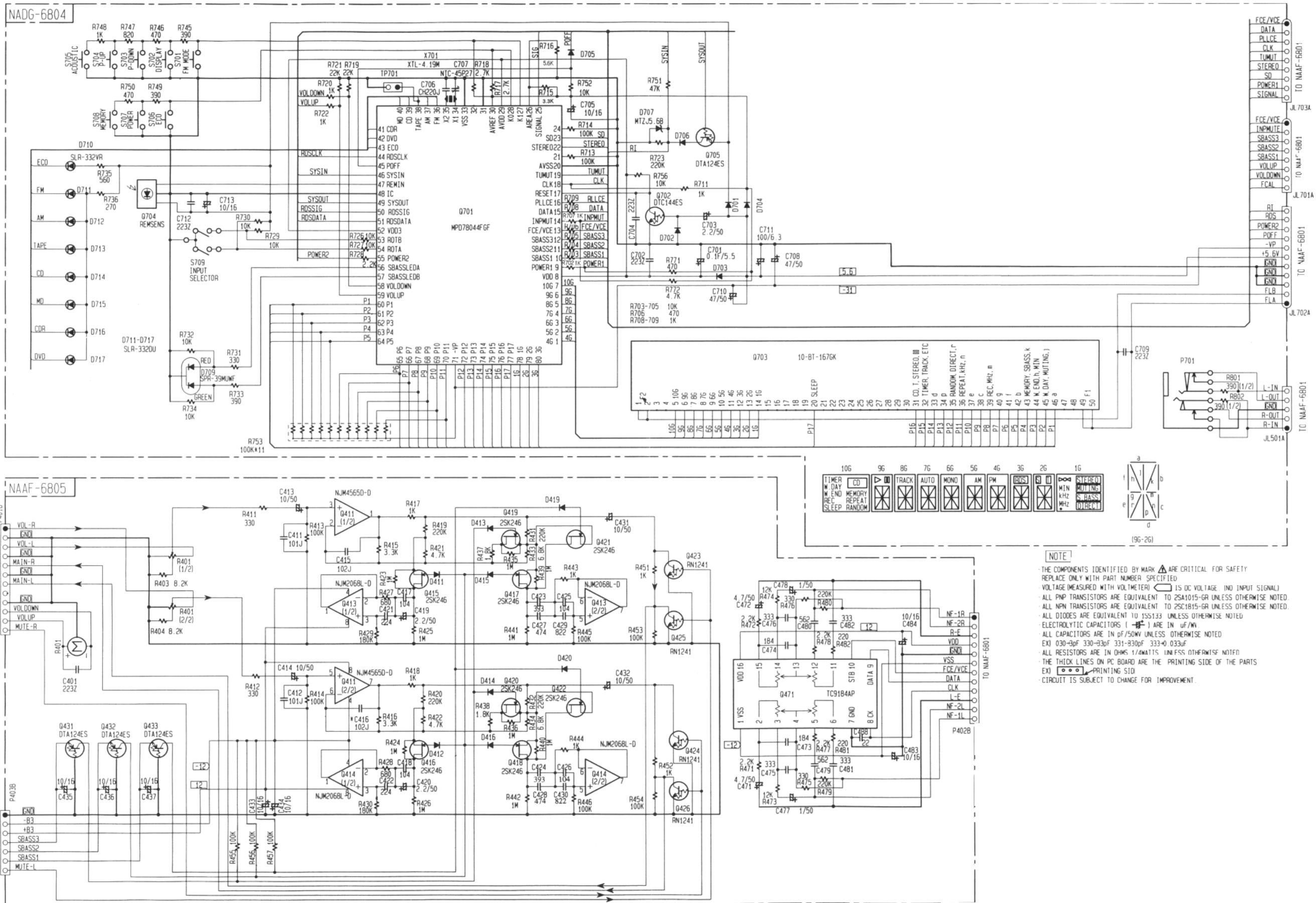
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SCHEMATIC DIAGRAM

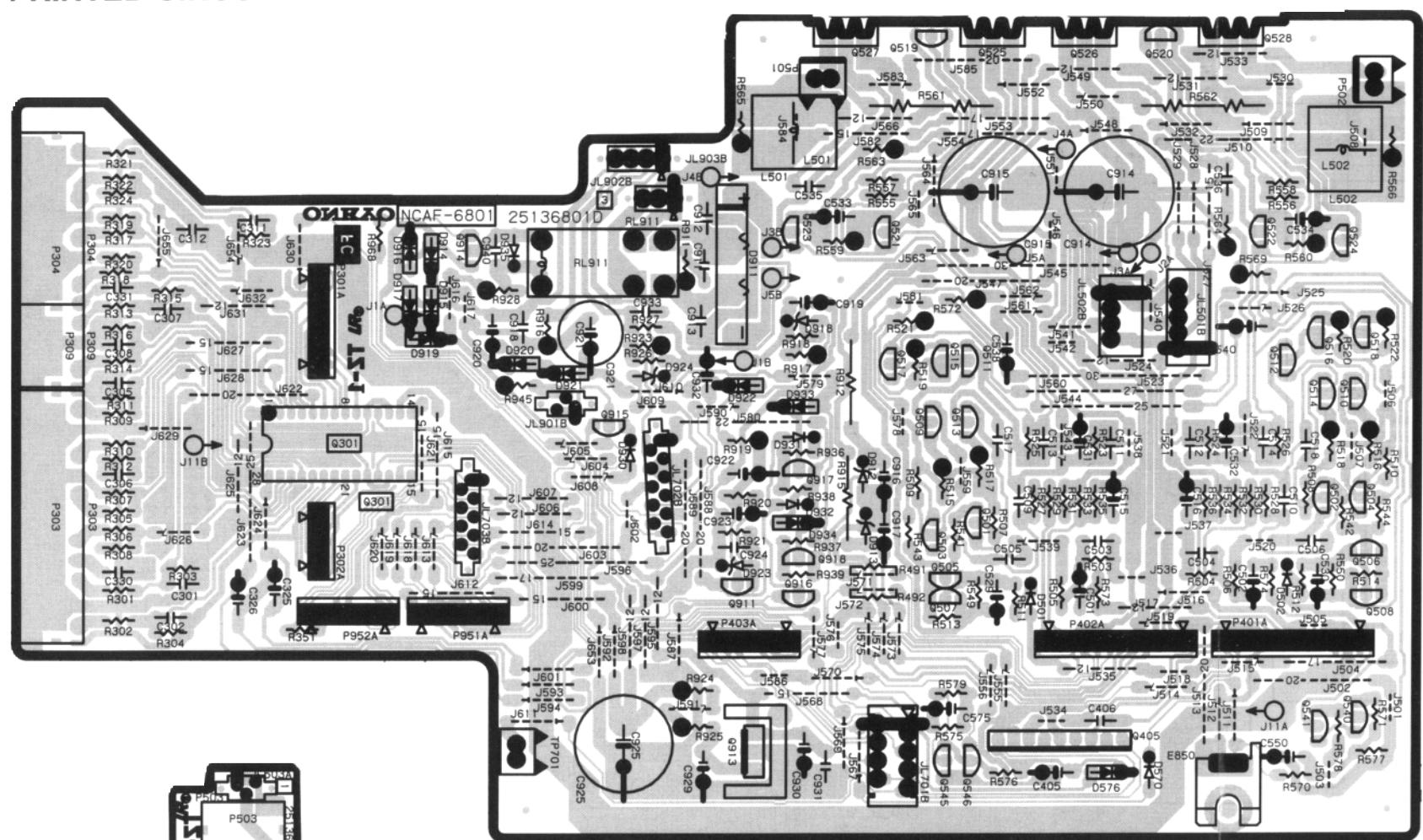


A B C D E F G

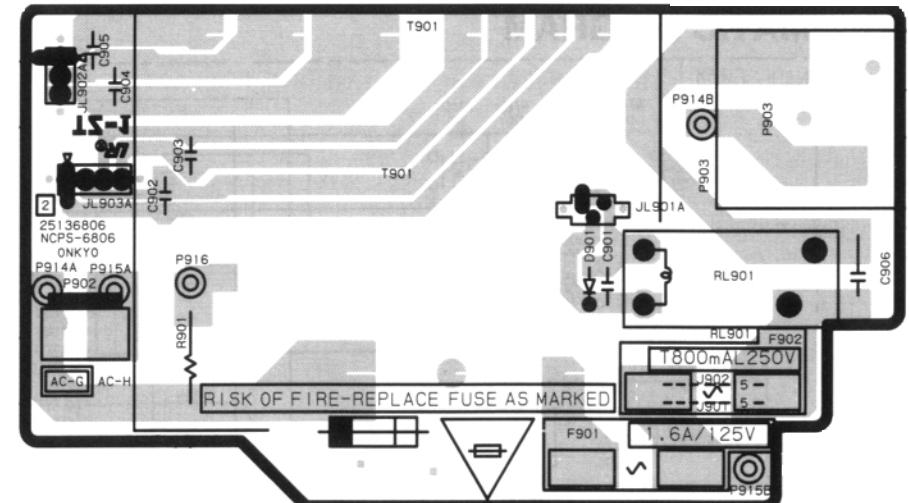
SCHEMATIC DIAGRAM



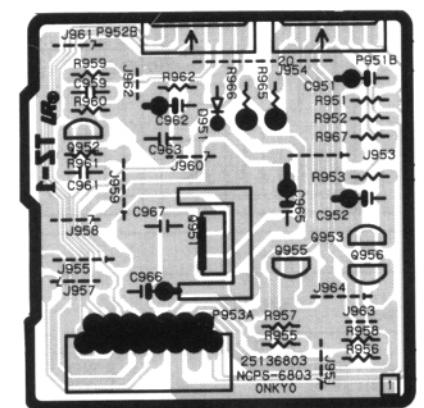
PRINTED CIRCUIT BOARD VIEW FROM SOLDERING SIDE



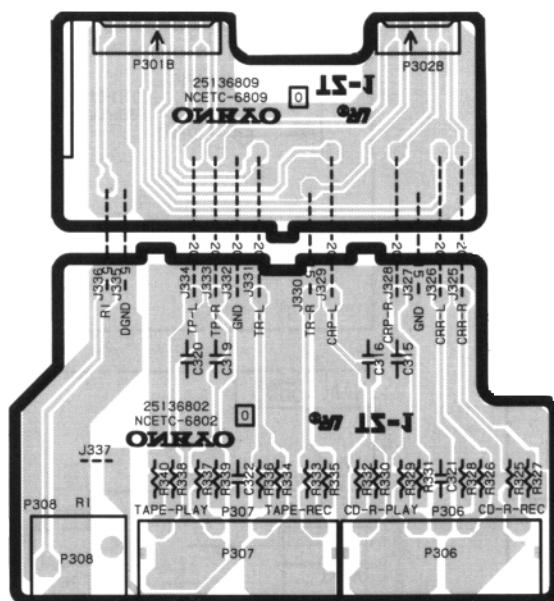
SUBWOOFER PC BOARD



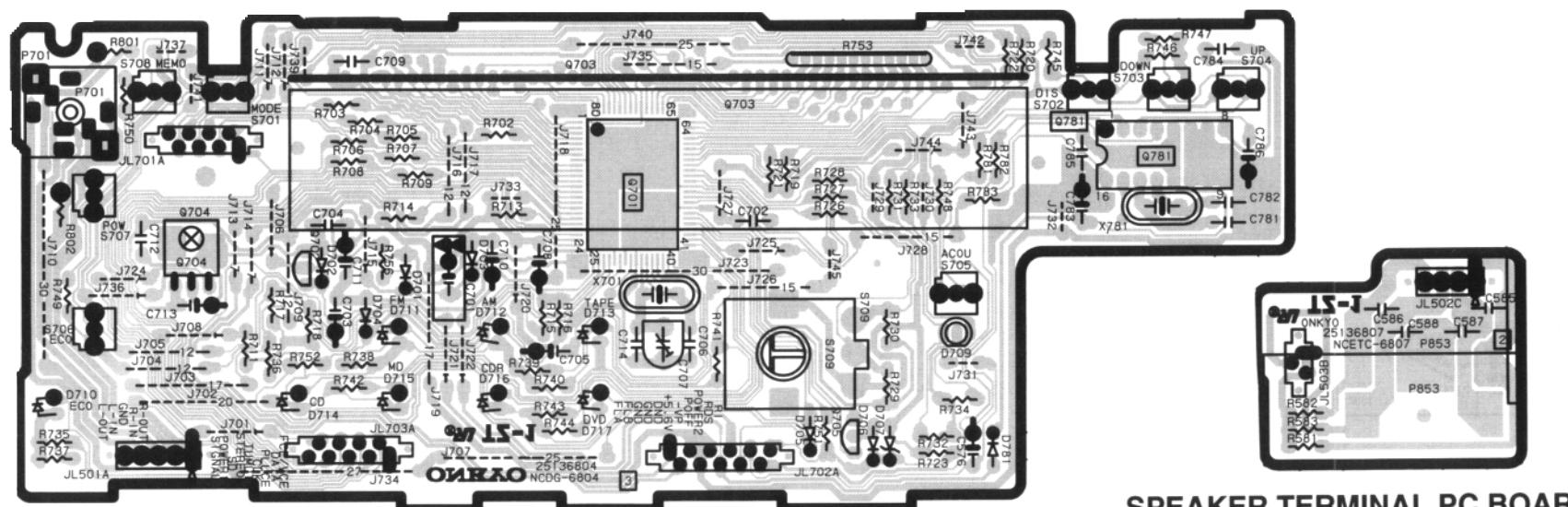
PRIMARY CIRCUIT PC BOARD



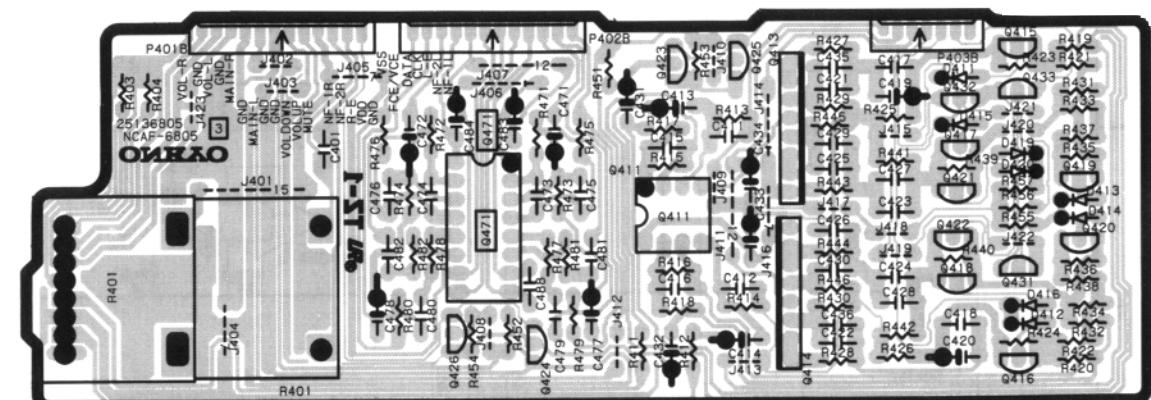
POWER SUPPLY PC BOARD



INPUT/OUTPUT PC BOARD



DISPLAY CIRCUIT PC BOARD

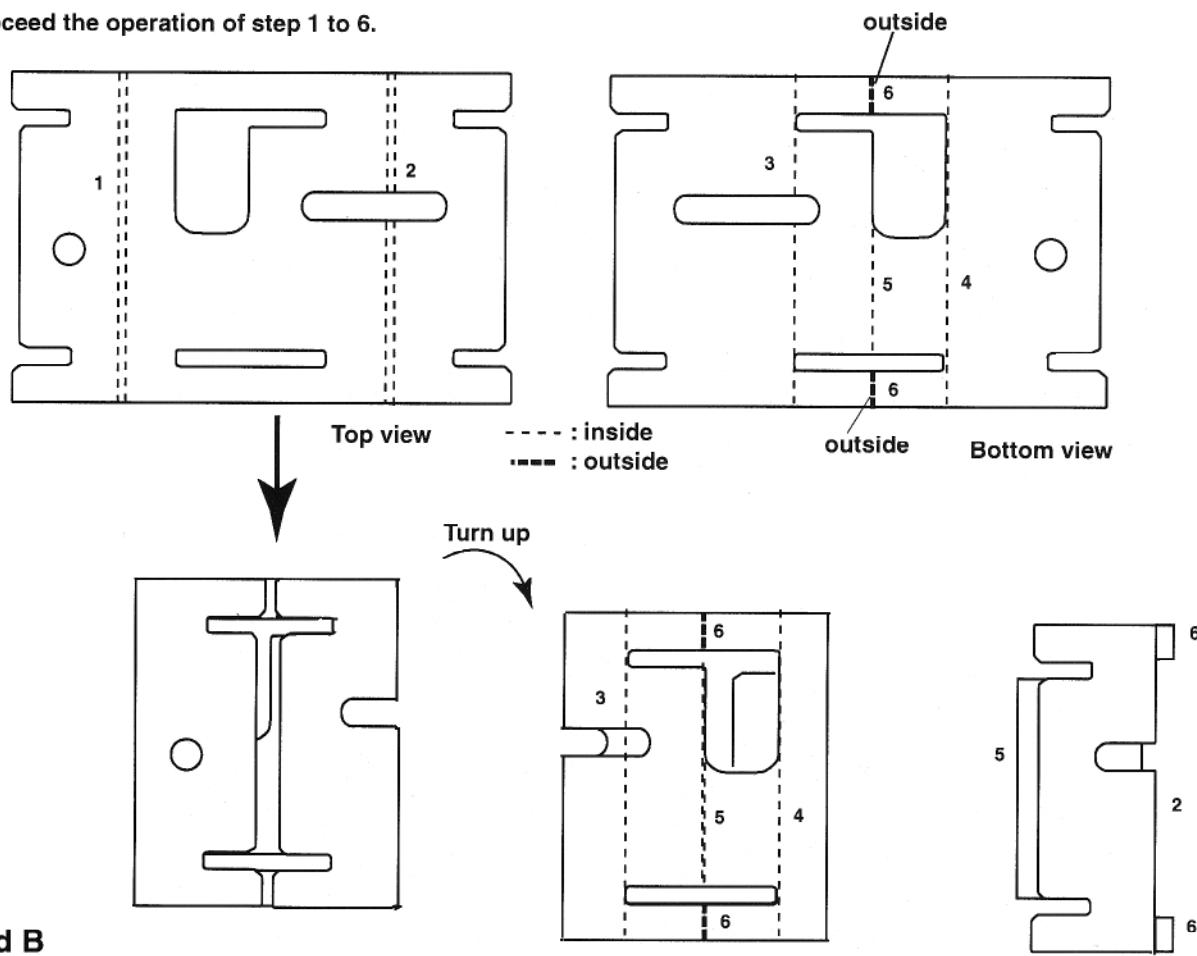


SPEAKER TERMINAL PC BOARD

PACKING PROCEDURES

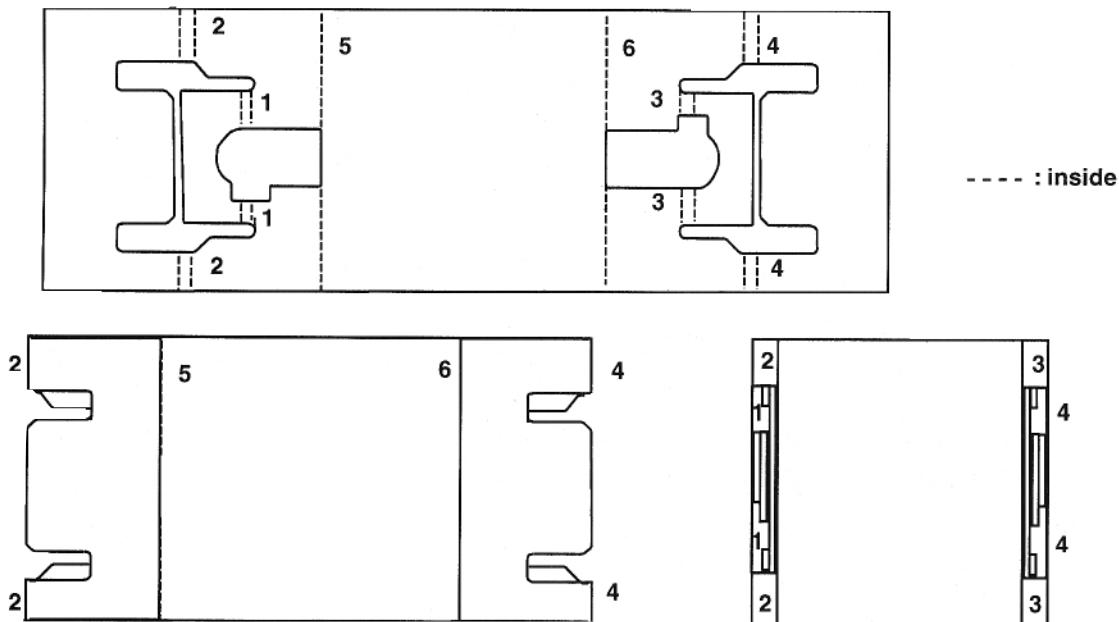
1. Pad A

Proceed the operation of step 1 to 6.

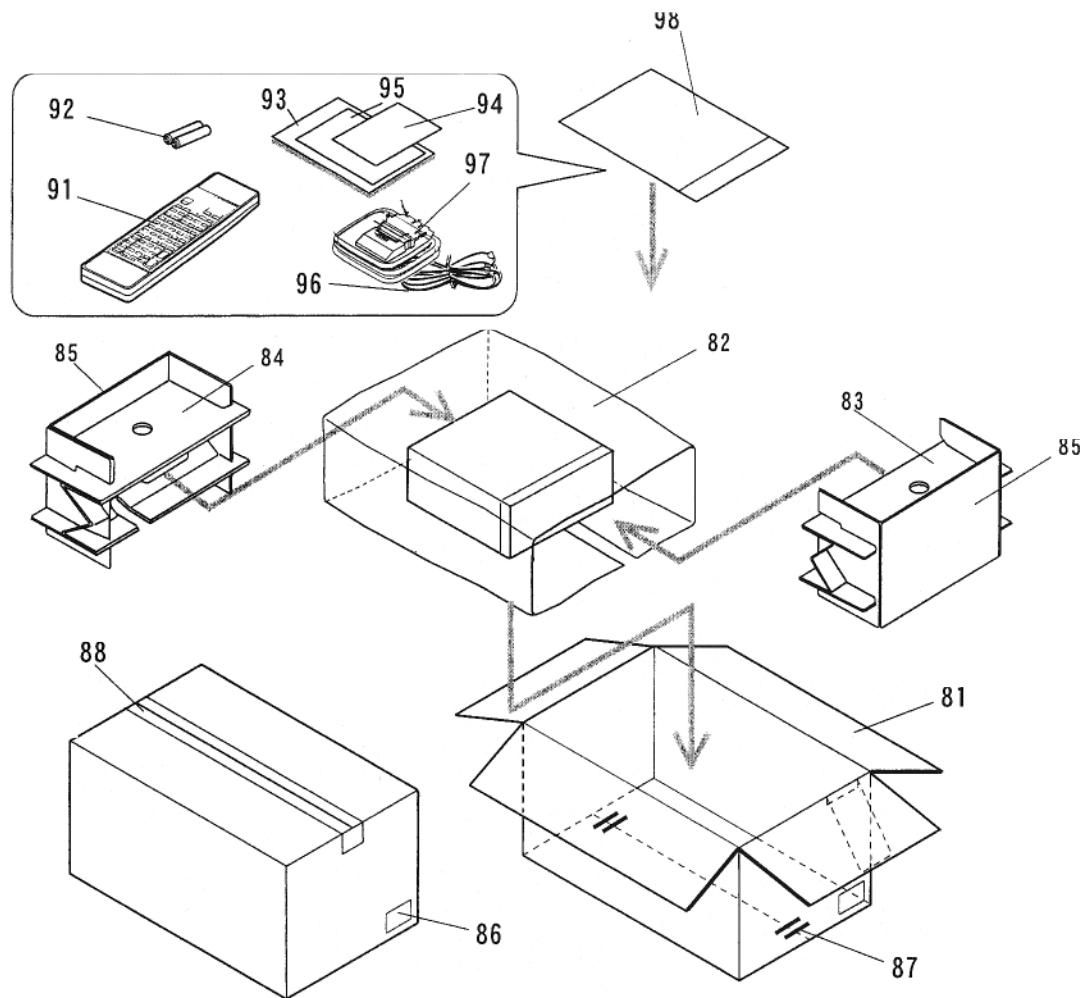


2. Pad B

Proceed the operation of step 1 to 6.



PACKING VIEW



PARTS LIST

REF. NO.	PART NO.	DESCRIPTION	92	3010054	UM-3,Battery
81	29053616	Carton box	93	29342838A	Instruction manual
82	29095835	0.515*650*550,Protection sheet	94	29365083A	Warranty card
83	29091901B	Pad A	95	29095866	Sheet for warranty
84	29091886	Pad A	96	292142	FM antenna
85	29091887	Pad B	97	232140	NMA-3057,AM loop antenna
86	29362685	Label UPC	98	29100097-1A	350*250,Poly bag
87	282301	Staple			
88	29110071	PP tape			
91	24140414	RC-414S,Remote controller			

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